Preventive Medicine and Occupational Health Overview

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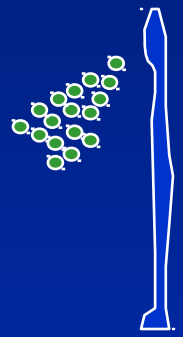
Responsibilities

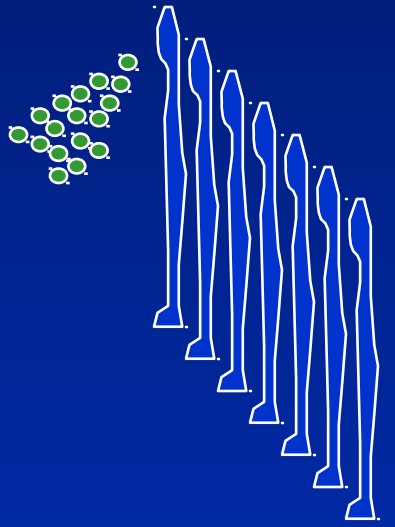
- Commanding Officer
  - Health and safety of the command.
- Medical Officer
  - Treat illness and injuries

and……..

Individual vs Population Health



- Diarrhea
- Acute Respiratory Illness
- Conjunctivitis
- Hepatitis
- Injuries



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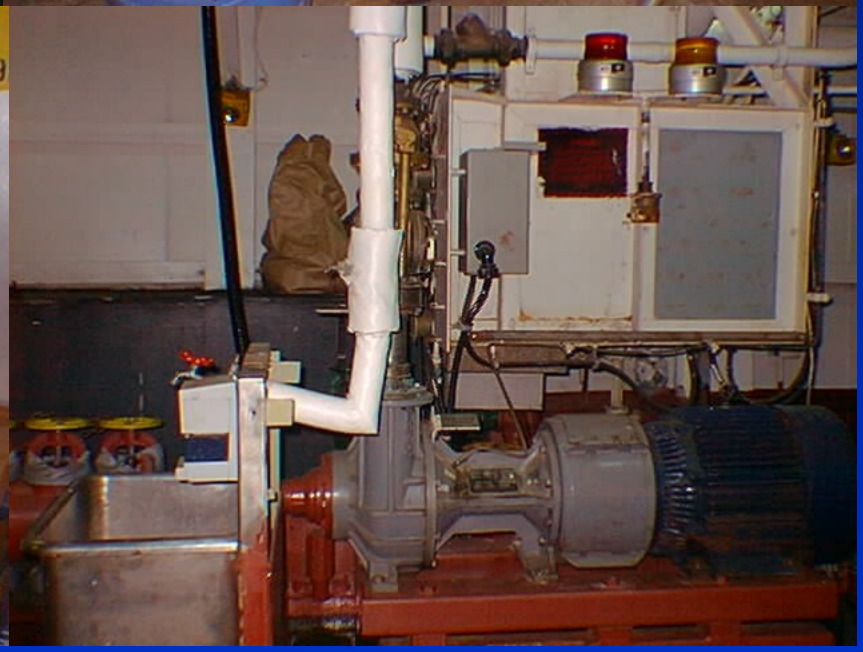


Responsibilities, cont.

- Galleys and food storage areas
- Potable water systems
- Marine sanitation device pump rooms
- Berthing spaces
- Laundry
- Gyms
- Stores and other vending areas
- Heads and showers
- Barber shops
- Confinement facilities

Responsibilities, cont.

- Immunizations
- TB control program
- STD control program
- Malaria control program
- Disease reporting
- Pest control

Responsibilities, cont.

- Heat stress program
- Hearing conservation program
- Respiratory protection program
- Sight conservation program
- Asbestos surveillance program
- Lead control program
- Hazardous materials control program

Navy Environmental and Preventive Medicine Unit No. 5 (NEPMU-5)

Mission and Vision

- Mission: We provide public health services and operational support to the Navy/Marine Corps team

- Vision: To be the first choice for customers and first choice for staff.

Chain of Command

- Echelon 1: Chief of Naval Operations
- Echelon 2: Bureau of Medicine and Surgery
- Echelon 3: Navy Environmental Health Center
- Echelon 4: Navy Environmental and Preventive Medicine Units

  - NEPMU-2, Norfolk, VA
  - NEPMU-5, San Diego, CA
  - NEPMU-6, Pearl Harbor, HI
  - NEPMU-7, Sigonella, Italy

Navy	Civilian
NEHC	CDC
NEPMU	State
Unit Medical Dept	Local

NEPMU-5 Area of Responsibility

- 100 West Longitude, West to 150 West Longitude,
  including Alaska.

Customers

- SURFPAC
- AIRPAC
- SUBPAC
- SPECWAR
- Sea Bees
- I MEF
- CINCPAC/CINCPACFLT
- MCRD
- Bases, MTFs
- Others -- USCG, Border Patrol

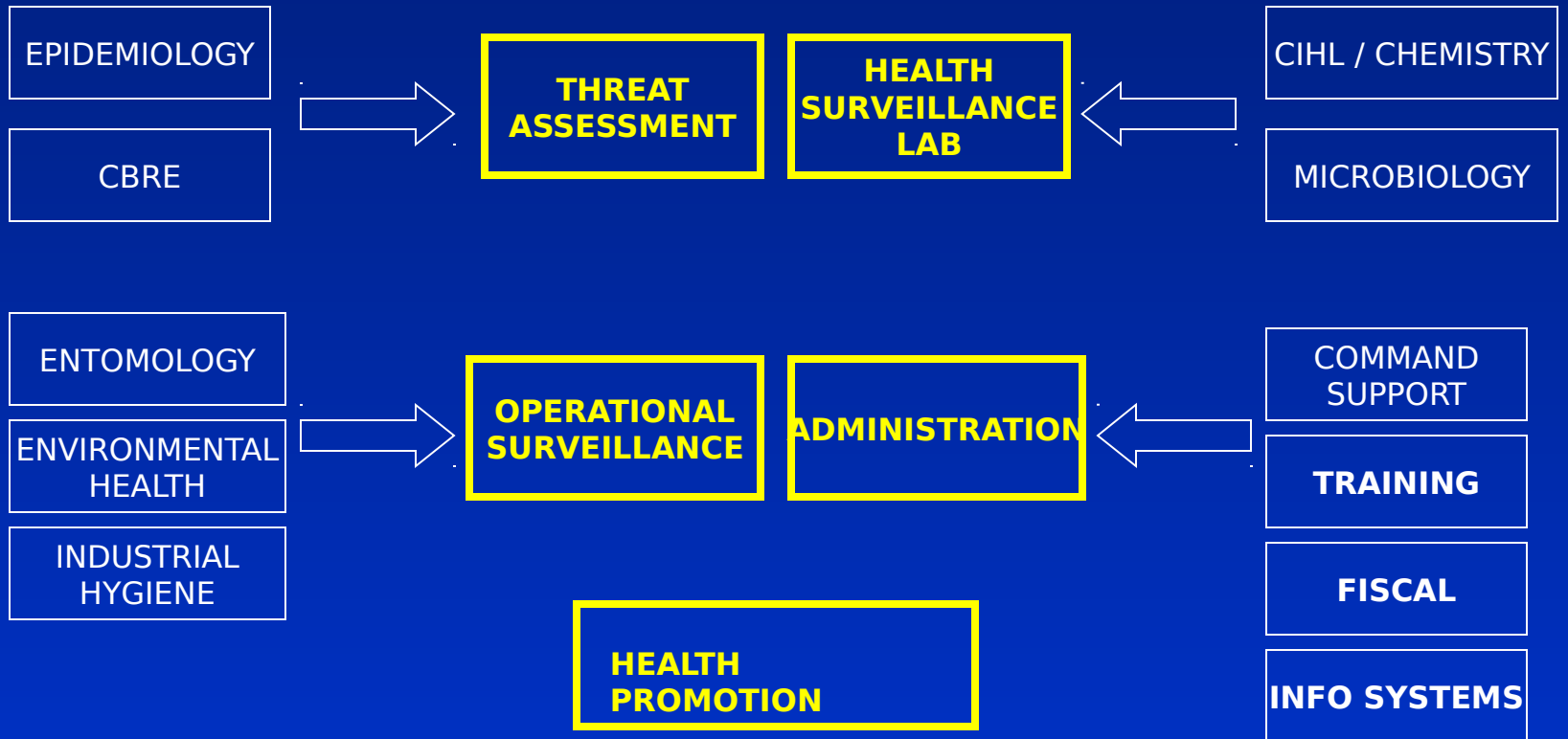
Unit Personnel

- Core staff (48):
  - Officers 16
  - Enlisted 14
  - Civilians 18

- Other staff (8):
  - Officers ADDU elsewhere 4
  - Prev Med Resident Physicians 2
  - Prev Med Reserve Physicians 2

NEPMU-5 Reorganization

- To align with Force Health Protection and Deployment Medical Surveillance guidance



NEPMU-5 Organization

Programs and Services

- Support Unit Medical Departments

  1) Provide local Prev Med support
     - Pre-deployment information
     - Disease/injury surveillance
     - Outbreak investigations and other assessments
     - Lab services
     - Training
     - Health Promotion services

  2) Provide deployable Prev Med support

- Special Projects

Individual Deployments

Team Deployments

- New Horizons - Antigua
- GE Outbreaks - USS Peleliu and USS Constellation
- CENTAM Relief - Honduras
- Cobra Gold - Thailand
- Tandem Thrust - Australia
- Desert Focus - Saudi Arabia
- Joint Endeavor - Croatia

MMART in Antigua

MMART vs FD-PMU

Now -- Mobile Medical Augmentation Readiness Team (MMART)

2004 -- Forward Deployed Preventive Medicine Unit (FD-PMU)

More formally defined readiness, materiel lists, training requirements, funding, and organizational structure.

Threat Assessment Dept

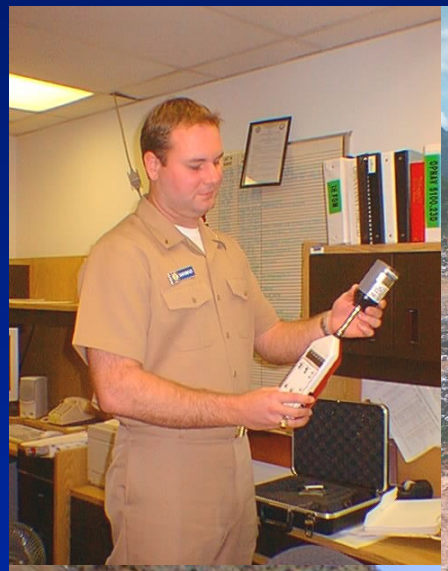
- Pre-deployment info
- Risk assessments
- Outbreak investigations
- Disease surveillance
- Travel medicine consultation
- CBRE defense training and consultation

Operational Surveillance Dept

- Preventive Medicine Partnership
- Environmental Health consultation
  - Food and water sanitation
  - Waste management
- IH baseline surveys, workplace monitoring
- DERATs and other Entomology assists

“Partnership” PMTs

IH and Ento



Health Promotion Services

- Area clearinghouse
- Consultation regarding:
  - Program requirements and implementation
  - Training
  - Monitoring and analysis
- Resource library
  - Teaching aids
  - Posters, books
  - Cholestech machines

Microbiology Lab

Microbiology Lab Services

- Special interest in Gram-positive cocci, diarrheal agents, rapid deployable assays.
- Support outbreak investigations and cohort monitoring.
- CBRE -- Biological detection.
- Tests include: Culture, Biochemicals, Serology, PCR (include RAPID), Enzyme Immunoassay, FA microscopy, Pulsed-Field Gel Electrophoresis.

Microbiology Projects

- Study of viral gastroenteritis aboard Navy big decks (GEIS).
- Monitor BUD/S students for carriage of *Staph/Strep* before and after Hell Week.
- Study community carriage of highly resistant bacteria (VRE, MRSA, VISA) in active duty personnel.

RT-PCR on USS Constellation

Chemistry Lab (CIHL)

Chemistry Lab Services

- IH analysis and Occupational Toxicology
  - Lead in air, paint
  - Blood lead and zinc protoporphyrin
  - Organic solvents used in industrial processes
  - Metal analysis in air, bulks
  - Asbestos bulk analysis and fiber counting
  - Isocyanates in air, paint
  - Mass spec screening for unknowns

Training

Training Offered

- Food Safety for Managers/Supervisors
- Shipboard Pest Management
- Malaria Control and Laboratory ID
- TB Control Program
- Viral Hepatitis
- STDs (including lab ID)
- Medical Management of CBRE Casualties
- Operational Preventive Medicine Course
- And more !!

CBRE Course, MCAS Yuma

Prev Med or Occ Health Questions?

Call your local NEPMU !!

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